



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/992,430A
Source: 01PE
Date Processed by STIC: 7/24/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



Does Not Comply
Corrected Diskette Needed

OIKE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/992,430A

DATE: 07/24/2002
TIME: 11:35:21

*See p. 6 for
Explanation of errors.*

Input Set : A:\00-1237A.ST25.txt
Output Set: N:\CRF3\07242002\I992430A.raw

3 <110> APPLICANT: Rajgarhia, Vineet
5 <120> TITLE OF INVENTION: Methods and materials for synthesis of organic products
7 <130> FILE REFERENCE: 00-1237-A
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/992,430A
C--> 10 <141> CURRENT FILING DATE: 2001-11-22
12 <150> PRIOR APPLICATION NUMBER: 60/252,541
13 <151> PRIOR FILING DATE: 2000-11-22
15 <160> NUMBER OF SEQ ID NOS: 65
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 92
21 <212> TYPE: DNA
22 <213> ORGANISM: artificial sequence - multiple cloning site *belongs in 42237*
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27 gccgcctcga gtctagaggg cccaagcttg gg 92
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42 <211> LENGTH: 31
43 <212> TYPE: DNA
44 <213> ORGANISM: Lactobacillus helveticus
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60 <211> LENGTH: 37
61 <212> TYPE: DNA
62 <213> ORGANISM: Pediococcus acidilactici

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Input Set : A:\00-1237A.ST25.txt

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79 <212> TYPE: DNA
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109 gtcagcagca tagggaaaca cggcttttcc taccaaactc aaggaattat caaactctgc 180
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121 ttgctttgcc acggaacggt ctgctgtgtc gggaagatgc gtgatctgat ccttcaactc 540
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125 cagtgttaca accaattaac caattctgat tagaaaaact catcgagcat caaatgaaac 660
127 tgcaatttat tcatatcagg attatcaata ccatattttt gaaaaagccg tttctgtaat 720
129 gaaggagaaa actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg 780
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133 caagtgagaa atcaccatga gtgacgactg aatccggtga gaatggcaaa agcttatgca 900
135 ttctttccag acttggttcaa caggccagcc attacgctcg tcatcaaaat cactcgcatc 960
137 aaccaaaccg ttattcattc gtgattgcgc ctgagcgaga cgaaatacgc gatcgctgtt 1020
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143 gatcgagctg gtgagtaacc atgcatcatc aggagtacgg ataaaatgct tgatggtcgg 1200
145 aagaggcata aattccgtca gccagtttag tctgaccatc tcatctgtaa catcattggc 1260
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Input Set : A:\00-1237A.ST25.txt

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149 atagattgtc gcaactgatt gccgcacatt atcgcgagcc catttatacc catataaatc 1380
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153 cataacaccc cttgtattac tgtttatgta agcagacagt tttattgttc atgatgatat 1500
155 atttttatct tigtcaatgt aacatcagag attttgagac acaacgtggc tttccccccc 1560
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165 <211> LENGTH: 372
166 <212> TYPE: DNA
167 <213> ORGANISM: Kluyveromyces marxianus
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174 tgaccaaggt caaggatgct gctaagggtt acaagccagt tccagttcct cagctccaa 180
176 gagacaacaa gccagttgct gactctactc cattgaagca agaattgggtc tggactcaag 240
178 tcggtaagtt cctacaagaa ggtgatgttg ttctaactga aaccgggtacc tccgctttcg 300
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182 ccattggttt ca 372
185 <210> SEQ ID NO: 11
186 <211> LENGTH: 747
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188 <213> ORGANISM: Kluyveromyces thermotolerans
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219 <211> LENGTH: 1738
220 <212> TYPE: DNA
221 <213> ORGANISM: kanamycin resistance gene fragment
223 <400> SEQUENCE: 12
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228 gtcagcagca tagggaaaca cggcttttcc taccaaactc aagggaattat caaactctgc 180
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232 gtcttgagaa attctgaagc cgtattttta ttatcagtga gtcagtcac aggagatcct 300
234 ctacgccgga cgcacgtgg ccgacctgca gggggggggg gggcgctgag gtctgcctcg 360
236 tgaagaaggt gttgctgact cataccaggc ctgaatcgcc ccatcatcca gccagaaaagt 420

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PATENT APPLICATION: US/09/992,430A

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Input Set : A:\00-1237A.ST25.txt

Output Set: N:\CRF3\07242002\I992430A.raw

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242 agcaaaagtt cgattttatc aacaaagccg ccgtcccgtc aagtcagcgt aatgctctgc 600
244 cagtgttaca accaattaac caattctgat tagaaaaact catcgagcat caaatgaaac 660
246 tgcaatttat tcatatcagg attatcaata ccatattttt gaaaaagccg tttctgtaat 720
248 gaaggagaaa actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg 780
250 attccgactc gtccaacatc aatacaacct attaatttcc cctcgtcaaa aataaggtta 840
252 tcaagtgaga aatcaccatg agtgacgact gaatccggtg agaatggcaa aagcttatgc 900
254 atttctttcc agacttggtc aacaggccag ccattacgct cgtcatcaaa atcactcgca 960
256 tcaaccaaac cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg 1020
258 ttaaaaggac aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca 1080
260 tcaacaatat tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg 1140
262 gggatcgcat tggtagtaaa ccatgcatca tcaggagtac ggataaaatg cttgatggtc 1200
264 ggaagaggca taaattccgt cagccagttt agtctgacca tctcatctgt aacatcattg 1260
266 gcaacgctac ctttgccatg tttcagaaac aactctggcg catcgggctt cccatacaat 1320
268 cgatagattg tcgcacctga ttgcccgaca ttatcgcgag ccattttata cccatataaa 1380
270 tcagcatcca tgttgggaatt taatcgcggc ctcgagcaag acgtttcccg ttgaatatgg 1440
272 ctcataacac cccttgattt actgtttatg taagcagaca gttttattgt tcatgatgat 1500
274 atatttttat cttgtgcaat gtaacatcag agattttgag acacaacgtg gctttccccc 1560
276 ccccccctgc aggtcgccat caccggcgcc acaggtgcgg ttgctggcgc ctatatcgcc 1620
278 gacatcaccg atggggaaga tcgggctcgc cacttcgggc tcatgagcgc ttgtttcggc 1680
280 gtgggtatgg tggcaggccc cgtggccggg ggactgttgg gcgccatctc cttgcatg 1738

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283 <210> SEQ ID NO: 13

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285 <212> TYPE: DNA

286 <213> ORGANISM: artificial sequence - degenerate amplification primers

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W--> 288 <223> OTHER INFORMATION:

288 <400> SEQUENCE: 13

289 gtbatygggt chggatc

17

292 <210> SEQ ID NO: 14

293 <211> LENGTH: 17

294 <212> TYPE: DNA

295 <213> ORGANISM: artificial sequence - degenerate amplification primers

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298 swrtcdccrt gytacc

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301 <210> SEQ ID NO: 15

302 <211> LENGTH: 22

303 <212> TYPE: DNA

304 <213> ORGANISM: artificial sequence - amplification primers

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306 <400> SEQUENCE: 15

307 gtacagttct ggatactgct cg

22

310 <210> SEQ ID NO: 16

311 <211> LENGTH: 18

312 <212> TYPE: DNA

RAW SEQUENCE LISTING

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Input Set : A:\00-1237A.ST25.txt

Output Set: N:\CRF3\07242002\I992430A.raw

313 <213> ORGANISM: artificial sequence - amplification primers

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W--> 315 <223> OTHER INFORMATION: ←

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321 <212> TYPE: DNA

322 <213> ORGANISM: Kluyveromyces thermotolerans

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331 <213> ORGANISM: Kluyveromyces thermotolerans

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347 <211> LENGTH: 20

348 <212> TYPE: DNA

349 <213> ORGANISM: Kluyveromyces thermotolerans

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356 <211> LENGTH: 972

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358 <213> ORGANISM: Kluyveromyces thermotolerans

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365 gttttccgaga ttgtccttat cgacgtgaac aaagacaaag cagaggggtga aagcatggac 180

367 ttaaaccacg cagcaccttc aaatacaagg tctcgagcgg gtgattatcc tgactgcgct 240

369 ggcgcggcca ttgttattgt cacatgtggg attaaccaaa aaaatggaca aacaaggatg 300

371 gatcttgctg caaaaaatgc caacattatg ctggaaatca tccccaatgt tgccaaatat 360

373 gctcctgata ccactcctgt tattgccacg aatcctgtcg atgttttgac ctatattagc 420

375 tataaggcgt cagggtttcc actaagcaga gttatcggct caggtagagt tctggatact 480

377 gctcgtttta aatacatcct cggagagcac ttcaagatct catcggacag catcgatgcc 540

379 tgtgtaattg gagaacatgg tgattcgggt gtgcctgtct ggtctcttac caacatcgac 600

381 ggcataaagc tccgggatta ctgcgaaaaa gccaccaca tatttgatca gaatgcgttc 660

383 catagaatct ttgagcaaac gcgagacgct gcttacgata tcatcaagcg caaaggctat 720

385 acttcatatg gaatcgcagc gggattactt cgcatagtaa aggcgatttt agaggatata 780

387 ggatccacac ttacagtttc aaccgttggg gattattttg ggggtgaaca aattgctata 840

389 agcgtcccta ccaaactcaa taaaagtggg gtcacatcaag tggctgaact ttcactcgat 900

RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\00-1237A.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:55; N Pos. 21,33

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:1,2,13,14,15,16,23,24,25,26,27,28

VERIFICATION SUMMARY

DATE: 07/24/2002

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Input Set : A:\00-1237A.ST25.txt

Output Set: N:\CRF3\07242002\I992430A.raw

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:24 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:24 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
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L:1035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0